

Title (en)  
GAS TESTING UNIT AND METHOD

Title (de)  
GASPRÜFUNGSEINHEIT UND -VERFAHREN

Title (fr)  
UNITÉ D'ESSAI DE GAZ ET PROCÉDÉ ASSOCIÉ

Publication  
**EP 3210012 C0 20230607 (EN)**

Application  
**EP 15853236 A 20151021**

Priority

- US 201462067392 P 20141022
- US 2015056783 W 20151021

Abstract (en)  
[origin: WO2016065085A1] Apparatuses and associated methods are described for the efficient evaluation of C1-containing substrates, and especially for such evaluation conducted locally, or on-site, at a prospective facility for implementation of a biological conversion process for desired end product using a C1 carbon source. The exact composition of a given, industrial C1-containing substrate, as well as the range in composition fluctuations, are generally difficult to reproduce at a remote facility (e.g., a laboratory or a pilot-scale or demonstration-scale process), as required for the accurate prediction/modeling of commercial performance to justify large capital expenditures for commercial scale-up.

IPC 8 full level  
**G01N 30/86** (2006.01); **C12M 1/34** (2006.01); **C12M 3/00** (2006.01); **C12N 1/20** (2006.01); **C12P 7/06** (2006.01); **G01N 30/62** (2006.01); **G01N 33/00** (2006.01); **C12R 1/145** (2006.01); **G01N 30/88** (2006.01)

CPC (source: CN EP KR US)  
**C12M 21/04** (2013.01 - CN KR US); **C12M 21/12** (2013.01 - CN KR US); **C12M 23/44** (2013.01 - CN KR US); **C12M 29/18** (2013.01 - CN KR US); **C12M 41/00** (2013.01 - CN US); **C12M 41/12** (2013.01 - CN KR US); **C12M 41/26** (2013.01 - CN KR US); **C12M 41/34** (2013.01 - CN KR US); **C12Q 1/02** (2013.01 - CN EP US); **G01N 30/02** (2013.01 - US); **G01N 30/462** (2013.01 - KR); **G01N 30/88** (2013.01 - CN EP KR US); **C12P 7/065** (2013.01 - EP US); **G01N 30/462** (2013.01 - CN EP US); **G01N 30/8658** (2013.01 - EP US); **G01N 2030/0095** (2013.01 - CN EP KR US); **Y02E 50/10** (2013.01 - EP US); **Y02E 50/30** (2013.01 - EP US)

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Participating member state (EPC – UP)  
AT BE BG DE DK EE FI FR IT LT LU LV MT NL PT SE SI

DOCDB simple family (publication)  
**WO 2016065085 A1 20160428**; AU 2015335917 A1 20170511; AU 2021201796 A1 20210422; AU 2021201796 B2 20220908; AU 2021201835 A1 20210422; AU 2021201835 B2 20230504; BR 112017008201 A2 20171226; BR 112017008201 B1 20221108; CA 2965319 A1 20160428; CA 2965319 C 20180515; CN 107076714 A 20170818; CN 107076714 B 20191210; EA 036274 B1 20201021; EA 201790865 A1 20170831; EP 3210012 A1 20170830; EP 3210012 A4 20180523; EP 3210012 B1 20230607; EP 3210012 C0 20230607; EP 4180806 A1 20230517; ES 2946783 T3 20230726; HU E062420 T2 20231128; JP 2017531441 A 20171026; JP 2020127421 A 20200827; JP 2022068306 A 20220509; JP 2023139184 A 20231003; JP 7030155 B2 20220304; JP 7321312 B2 20230804; KR 102511057 B1 20230315; KR 20170072907 A 20170627; KR 20230038615 A 20230320; PL 3210012 T3 20240115; TW 201623606 A 20160701; TW I755353 B 20220221; US 10113194 B2 20181030; US 11155850 B2 20211026; US 11814666 B2 20231114; US 2016115517 A1 20160428; US 2019024133 A1 20190124; US 2022010350 A1 20220113

DOCDB simple family (application)  
**US 2015056783 W 20151021**; AU 2015335917 A 20151021; AU 2021201796 A 20210323; AU 2021201835 A 20210324; BR 112017008201 A 20151021; CA 2965319 A 20151021; CN 201580060371 A 20151021; EA 201790865 A 20151021; EP 15853236 A 20151021; EP 22207775 A 20151021; ES 15853236 T 20151021; HU E15853236 A 20151021; JP 2017521983 A 20151021; JP 2020082012 A 20200507; JP 2022024639 A 20220221; JP 2023120357 A 20230725; KR 20177012708 A 20151021; KR 20237008782 A 20151021; PL 15853236 T 20151021; TW 104134733 A 20151022; US 201514919694 A 20151021; US 201816139217 A 20180924; US 202117449078 A 20210927